

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A ~~composite yarn~~ product comprising:

a filament yarn made of inorganic or organic material, and
a matrix made of polymeric material comprising at least one foamed polymer,
said filament yarn being covered, coated, extruded, or incorporated in said

matrix made of polymeric material,

wherein ~~the~~ fibers forming the filament yarn are uniformly distributed in the
matrix made of polymeric material.

2. (Currently Amended) The ~~composite yarn~~ product as claimed in claim 1,

wherein the polymer is foamed by employing a chemical foaming system.

3. (Currently Amended) The ~~composite yarn~~ product as claimed in claim 1,

wherein the polymer is foamed by employing a mechanical foaming system.

4. (Currently Amended) The ~~composite yarn~~ product as claimed in claim 1,

wherein the inorganic material constituting the fibers of the filament yarn is chosen from the group consisting of glass or silica.

5. (Withdrawn-Currently Amended) The ~~composite yarn~~ product as claimed in claim 1, wherein the organic material ~~of synthetic origin~~ constituting the fibers of the filament yarn is chosen from the group consisting of polyolefins, polyesters, polyamides, polyvinyls, and acrylics.

6. (Withdrawn-Currently Amended) The ~~composite yarn~~ product as claimed in claim 1, wherein the organic material ~~of natural origin~~ constituting the fibers of the filament yarn is chosen from the group consisting of flax and cotton.

7. (Currently Amended) The ~~composite yarn product~~ as claimed in claim 1, wherein:

the matrix and the fibers forming the filament yarn that are uniformly distributed in the matrix together comprise a core; and
the core-composite yarn is covered, coated, extruded, or incorporated in a second matrix made of polymeric material formed around the core.

8. (Currently Amended) The ~~composite yarn product~~ as claimed in claim 7, wherein the polymeric material constituting the matrix of the core and that of the polymeric material of the second matrix formed around the core are the same, are of an identical or different nature.

9. (Currently Amended) The ~~composite yarn product~~ as claimed in claim 7, wherein the polymeric material of one or of the two matrices is ~~chosen~~ selected from chlorinated polymers.

10. (Currently Amended) The ~~composite yarn product~~ as claimed in claim 7, wherein the polymeric material of one or of the two matrices is ~~chosen~~ selected from polyvinyl chloride, post-chlorinated PVCs, polyvinylidene chlorides, and chlorinated polyolefins.

11. (Withdrawn-Currently Amended) The ~~composite yarn product~~ as claimed in claim 7, wherein the polymeric material of one or of the two matrices is ~~chosen~~ selected from organopolysiloxanes.

12. (Withdrawn-Currently Amended) The ~~composite yarn product~~ as claimed in claim 7, wherein the polymeric material of one or of the two matrices is ~~chosen~~ selected from polyurethanes.

13. (Withdrawn-Currently Amended) The composite yarn product as claimed in claim 7, wherein the polymeric material of one or of the two matrices is chosen-selected from polyolefins.

14. (Withdrawn-Currently Amended) The composite yarn product as claimed in claim 7, wherein the polymeric material of one or of the two matrices is chosen-selected from the group consisting of acrylics, polymethylmethacrylate (PMMA), and polytetrafluoroethylene (PTFE).

15. (Currently Amended) The composite yarn product as claimed in claim 1, wherein it additionally includes further comprising a flame retardant filler chosen-selected from the group consisting of zinc borate, aluminum hydroxide, antimony trioxide, and zinc hydroxystannate.

16. (Withdrawn-Currently Amended) The A method for producing a composite yarn, comprising:

wherein coating a filament yarn with a polymeric material containing a foaming system, wherein the filament yarn is obtained by spinning fibers made of an organic or inorganic material or of natural fibers, is subjected to coating with a polymeric material containing a foaming system.

17. (Withdrawn-Currently Amended) The A method for producing a composite yarn, comprising:

wherein coating a filament yarn with a first polymeric material containing a foaming system to form a core, the filament yarn obtained by spinning fibers made of an organic or inorganic material or of natural fibers, is subjected to coating with a polymeric material containing a foaming system, and then

to a second step of coating the core with or extruding the core in a second polymeric material containing or not containing a foaming system.

18. (Withdrawn-Currently Amended) ~~The A method for producing a composite yarn, comprising:~~

extruding a filament yarn in a polymeric material containing a foaming system,
wherein ~~a~~~~the~~ filament yarn is obtained by spinning fibers made of an organic or inorganic material or of natural fibers, is subjected to extrusion in a polymeric material containing a foaming system.

19. (Withdrawn-Currently Amended) ~~The A method for producing a composite yarn, comprising:~~

extruding a filament yarn in a first polymeric material containing a foaming system to form a core, the filament yarn obtained by spinning fibers made of an organic or inorganic material or of natural fibers, and then

coating the core with or extruding the core in a second polymeric material that optionally contains a foaming system.

~~wherein a filament yarn, obtained by spinning fibers made of an organic or inorganic material or of natural fibers, is subjected to extrusion in a polymeric material containing a foaming system and then to a second step of coating with or extruding in a polymeric material containing or not containing a foaming system.~~

20. (Withdrawn-Currently Amended) ~~The A method for producing a composite yarn, comprising:~~

a. mechanically opening a filament yarn to separate fibers of the yarn; and
b. coating the filament yarn with or extruding the filament yarn in a polymeric material containing a foaming system;

wherein:

step a occurs before step b, or step a and step b occur simultaneously; and

~~a-the filament yarn, yarn is obtained by spinning fibers made of an organic or inorganic material or of natural fibers, is subjected to a method for mechanically opening the yarn enabling said fibers to be separated, simultaneously or prior to its being coated with or extruded in a polymeric material containing a foaming system.~~

21. (Withdrawn-Currently Amended) ~~The A~~ method for producing a composite yarn, comprising:

- a. mechanically opening a filament yarn to separate fibers of the yarn;
- b. coating the filament yarn with a liquid preparation of a monomer or polymer in a liquid state containing a foaming system or extruding the filament yarn in a polymeric material containing a foaming system, to form a core; and
- c. coating the core with or extruding the core in a polymeric material that optionally contains a foaming system;

wherein:

step a occurs before step b, or step a and step b occur simultaneously; and
the filament yarn is obtained by spinning fibers made of an organic or
inorganic material or of natural fibers.

~~wherein a filament yarn, obtained by spinning fibers made of an organic or inorganic material or of natural fibers, is subjected to a method for mechanically opening the yarn enabling said fibers to be separated, simultaneously or prior to a primary coating with a liquid preparation of a monomer or polymer in the liquid state containing a foaming system, or prior to it being extruded in a polymeric material containing a foaming system, and in that the composite yarn obtained is subjected to a second coating with or a second extrusion in a polymeric material containing or not containing a foaming system.~~